

CLAIMS

What is claimed is:

1. A hybrid compressor comprising:
a first compression mechanism, which is driven by a first drive source; and
a second compression mechanism, which is driven by a second drive source, and a second radial axis of a second housing of said second compression mechanism is offset relative to a first radial axis of a first housing of said first compression mechanism.
2. The hybrid compressor of claim 1, wherein said first compression mechanism is driven exclusively by a drive source for driving a vehicle.
3. The hybrid compressor of claim 1, wherein said second compression mechanism is driven by an electric motor.
4. The hybrid compressor of claim 1, wherein said hybrid compressor is mounted on a vehicle.
5. The hybrid compressor of claim 4, wherein said hybrid compressor is mounted on a vehicle and wherein an offset direction of said second radial axis of said second housing of said second compression mechanism relative to said first radial axis of said first housing of said first compression mechanism is away from a front end of said vehicle.
6. The hybrid compressor of claim 5, wherein said offset direction of said second radial axis of said second housing of said second compression mechanism from said first radial axis of said first housing of said first compression mechanism is in a horizontal direction away from said front end of said vehicle.
7. The hybrid compressor of claim 5, wherein said offset direction of said second radial axis of said second housing of said second compression mechanism from said first radial axis of said first housing of said first compression mechanism is in a direction different from a horizontal direction and away from said front end of said vehicle.
8. The hybrid compressor of claim 1, wherein each of said first and second compression mechanisms is a scroll-type compression mechanisms comprising a fixed scroll, and said fixed scrolls of each of said compression mechanisms are disposed to extend in opposite directions from a common valve plate.
9. A hybrid compressor comprising:
a first compression mechanism, which is driven by a first drive source; and

a second compression mechanism, which is driven by a second drive source, and a second diameter of a second housing of said second compression mechanism is less than a first diameter of a first housing of said first compression mechanism.

10. The hybrid compressor of claim 9, wherein said first compression mechanism is driven exclusively by a drive source for running a vehicle.

11. The hybrid compressor of claim 9, wherein said second compression mechanism is driven by an electric motor.

12. The hybrid compressor of claim 9, wherein said first compression mechanism is driven exclusively by a drive source for running a vehicle, and said second compression mechanism is driven exclusively by an electric motor incorporated into said compressor.

13. The hybrid compressor of claim 9, wherein a second radial axis of said second housing of said second compression mechanism is offset relative to a first radial axis of said first housing of said first compression mechanism.

14. The hybrid compressor of claim 9, wherein said hybrid compressor is mounted on a vehicle.

15. The hybrid compressor of claim 14, wherein a second radial axis of said second housing of said second compression mechanism is offset relative to a first radial axis of said first housing of said first compression mechanism, and wherein an offset direction of said second radial axis of said second housing of said second compression mechanism relative to said first radial axis of said first housing of said first compression mechanism is away from a front end of said vehicle.

16. The hybrid compressor of claim 15, wherein said offset direction of said second radial axis of said second housing of said second compression mechanism from said first radial axis of said first housing of said first compression mechanism is in a horizontal direction away from said front end of said vehicle.

17. The hybrid compressor of claim 15, wherein said offset direction of said second radial axis of said second housing of said second compression mechanism from said first radial axis of said first housing of said first compression mechanism is in a direction different from a horizontal direction and away from said front end of said vehicle.

18. The hybrid compressor of claim 9, wherein each of said first and second compression mechanisms is a scroll-type compression mechanisms comprising a fixed scroll, and said fixed

scrolls of each of said compression mechanisms are disposed to extend in opposite directions from a common valve plate.